

What is claimed is:

1           1. A method of programming a television receiver, the receiver operable to receive a  
2     plurality of television channels, the receiver comprising an automatic tuner, the automatic  
3     tuner being operable to automatically tune the receiver to a particular channel, the particular  
4     channel corresponding to an ID code, said method comprising:

5           receiving a first broadcast television program with the receiver, the first broadcast  
6     television program being received on a first channel during a first time period;

7           receiving a commercial corresponding to a second television program with the  
8     receiver, the commercial being received on the first channel during a second time period, the  
9     second time period being within the first time period;

10          receiving the ID code with the receiver, the ID code being received on the first  
11     channel during the second time period; and

12          activating the receiver during the second time period to extract and store the ID code;

13          wherein the ID code comprises a differentiating portion that enables the receiver to  
14     differentiate any one of a plurality of types of ID codes from one another and an information  
15     portion for use by the automatic tuner to automatically tune the receiver to a second channel.

1           2. The method of claim 1, wherein the plurality of types of ID codes comprises  
2     repeating ID codes, bait ID codes, capture ID codes, and programming ID codes.

1           3. The method of claim 2, wherein the types of programming ID codes further  
2     comprise:

3           a first type of programming ID code including information relating to a start date, and  
4     a start time;

5           a second type of programming ID code including information relating to a start date, a  
6     start time, and an end time;

7           a third type of programming ID code including information relating to a start date,  
8     and a duration;

9           a fourth type of programming ID code including information relating to a start date, a  
10     start time, and a data stream;

11          a fifth type of programming ID code including information relating to a start date, a  
12     start time, an end time, and a data stream; and

13          a sixth type of programming ID code including information relating to a start date, a  
14     duration, and a data stream.

1           4. The method of claim 1, wherein the differentiating portion of the ID code  
2 comprises two bits.

1           5. A method of transmitting comprising:  
2           transmitting a first program during a first time period on a first data stream, the first  
3 program comprising a first main program, a sub-program, and a bait ID code, the sub-  
4 program being within the main program, and the bait ID code corresponding to the sub-  
5 program; and  
6           transmitting a second program during a second time period on a second data stream,  
7 the second program comprises a second main program and a capture ID code, the second  
8 main program corresponds to the sub-program, and the capture ID code corresponds to the  
9 bait ID code.

1           6. A method of claim 5, wherein the first program and the sub-program include a first  
2 vertical blanking interval, and the bait ID code is in the first vertical blanking interval of the  
3 sub-program, and  
4           wherein the second program includes a second vertical blanking interval, and the  
5 capture ID code is in the second vertical blanking interval.

1           7. A method of transmitting an ID code to be received by a receiver, the receiver  
2 operable to receive a plurality of data streams, the receiver comprising an automatic tuner, the  
3 automatic tuner being operable to automatically tune the receiver to a particular data stream,  
4 the particular data stream corresponding to the ID code, said method comprising:  
5           transmitting a differentiating portion of the ID code that enables the receiver to  
6 differentiate any one of a plurality of types of ID codes from one another; and  
7           transmitting an information portion of the ID code for use by the automatic tuner to  
8 automatically tune the receiver to the particular data stream.

1           8. The method of claim 7, wherein the plurality of types of ID codes comprises  
2 repeating ID codes, bait ID codes, capture ID codes, and programming ID codes.

1           9. The method of claim 8, wherein the types of programming ID codes further  
2 comprise:

3           a first type of programming ID code including information relating to a start date, and  
4 a start time;

5           a second type of programming ID code including information relating to a start date, a  
6 start time, and an end time;

7           a third type of programming ID code including information relating to a start date,  
8 and a duration;

9           a fourth type of programming ID code including information relating to a start date, a  
10 start time, and a data stream;

11           a fifth type of programming ID code including information relating to a start date, a  
12 start time, an end time, and a data stream; and

13           a sixth type of programming ID code including information relating to a start date, a  
14 duration, and a data stream.

1           10. The method of claim 7, wherein the differentiating portion of the ID code  
2 comprises two bits.